

Bachelors of Science in Mobile Computing

Programme details:

The programme consists of core (required) and elective modules as follows. Some modules may have pre-requisites (i.e. may require the student to pass another module or set of modules first). Some modules may be co-requisite (i.e. such modules are required to be taken together). The number at the end of the module in parenthesis indicates the credit load of the module. 1 credit is equal to 10 hours of learning (guided, in-class and independent combined); therefore a 10-credit module requires on average 100 hours of learning from the student.

Core modules:

- C5 - ICO - 11: Introduction to Computers (20)
- C5 - MAT - 11: Mathematics - 1 (20)
- D5 - CS5 - 14: Communication Study Skills (20)
- C5 - CSA - 11: Computer Systems Architecture (20)
- C5 - OSH - 11: Operating Systems and Hardware (20)
- C6 - DMA - 19: Discrete Mathematics (20)
- C6 - QMD - 11: Querying and Managing Databases (40)
- C6 - IPC - 11: Introduction to Programming using C++ (20)
- C6 - MDC - 13: Mobile Communications (20)
- C6 - MD1 - 11: Managing Business Desktops 1 (20)
- C6 - WCD - 11: Web Content Development (20)
- C7 - JAV - 11: Programming Using Java (20)
- C7 - MTE - 13: Mobile Technologies (20)
- C7 - MOS - 13: Mobile Operating Systems (20)
- C7 - DCO - 13: Data Communications (20)
- C7 - WNM - 13: Wireless Networks and Mobile System Architecture (20)
- C7 - MDP - 13: Mobile Device Programming (20)
- C7 - PPR - 11: Professional Practice (60)
- C8 - MID - 13: Mobile Interaction Design (20)
- C8 - PRO - 11: Project (40)

Elective modules:

Select Two from the following:

- C8 - MIA - 13: Mobile Internet Applications and Services (20)
- C8 - DIS - 13: Distributed Systems (20)

- C8 - WNS - 13: Wireless Network Security (20)
- C8 - MEC - 13: Mobile Electronic Commerce (20)
- E8 - ISD - 18: Innovation for sustainable development (20)
- B8 - ENT - 13: Essentials of Entrepreneurship (20)

Recommended full-time study path (4½ years):

Semester 1:

- C5 - ICO - 11, C5 - MAT - 11, D5 - CS5 - 14

Semester 2:

- C5 - CSA - 11, C5 - OSH - 11, C6 - DMA - 19

Semester 3:

- C6 - QMD - 11, C6 - IPC - 11

Semester 4:

- C6 - MDC - 13, C6 - MD1 - 11, C6 - WCD - 11

Semester 5:

- C7 - JAV - 11, C7 - MTE - 13, C7 - MOS - 13

Semester 6:

- C7 - WNM - 13, C7 - MDP - 13, C7 - DCO - 13

Semester 7:

- C7 - PPR - 11

Semester 8:

- C8 - MID - 13, elective (Two of C8 - DIS - 13, C8 - WNS - 13, C8 - MIA - 13, C8 - MEC - 13)

Semester 9:

- C8 - PRO - 11, Elective select one (B8 - ENT - 13, E8 - ISD - 18)

Admissions Criteria

1) Applicants are expected to have successfully completed secondary schooling. The typical entry requirement for any Diploma or Bachelors programme is SGCSE, IGCSE, or other equivalent secondary school qualification. SGCSE and IGCSE candidates are required to achieve a minimum grade of 'C' or above in 5 subjects."

2) Applicants must have 10 points in English and Mathematics combined or 32 points in the top 5 subjects.

3) Applicants in possession of a Diploma or Higher Diploma in related field may be given exemptions based on the credit point equivalency.

For enquiries and more information please visit our website: www.bothouniversity.com